

**IN THE SPECIFICATION**

Please amend the title as follows:

~~--Camera signal processing apparatus and camera signal processing method~~

Camera Image Interpolation Apparatus --

Please amend the abstract as follows:

~~--A camera signal processing apparatus~~ An apparatus and method for generating an image by ~~comprises an interpolated pixel data generating means for interpolating, at least on two directions, pixel data based on an imaging signal from a solid-state image sensor in which an imaging light enters through a color filter having a different spectral characteristic for each pixel separately generating interpolated pixel data in the at least two directions. The method includes;~~ a correlation detecting means for detecting a correlation value indicative of a degree of correlation in each of the at least two directions of the interpolated pixel data, and; ~~a normalizing means for normalizing the correlation value of each of the at least two directions, to generate a normalized value indicative of a relative value of the correlation value of each of the at least two directions;~~ a correcting means for adding a predetermined correction value is added to the normalized value, and; ~~a weighting means for weighting the interpolated pixel data is weighted~~ in each of the at least two directions by the normalized value and adding together the weighted interpolated pixel data in all of the at least two directions; and an image generating means for generating an image based on the interpolated pixel data weighted by the weighting means. --